

SITE NAME: JOHNS MANVILLE MANUFACTURING PLANT SITE
DATE: SEPTEMBER 18, 1996
SUBJECT: POLREP #9
LOCATION: NASHUA, NEW HAMPSHIRE
POLLUTANT: ASBESTOS
OCCURRENCE DATE: MAY 3, 1995
MEDIA AFFECTED: AIR AND SOIL
SEVERITY: HIGH
CATEGORY: INLAND/NON-TRANSPORTATION
SOURCE/CAUSE: ABANDONED ASBESTOS MANUFACTURING FACILITY
CERCLIS ID #: NHD001085372
SITE ID NUMBER: 2J
REGION: I
OSC: PAUL R. GROULX, EPA
OFFICE OF SITE REMEDIATION & RESTORATION
EMERGENCY PLANNING AND RESPONSE BRANCH
SITE EVALUATION & RESPONSE SECTION I
BOSTON, MASSACHUSETTS 02203-0001
(617) 573-5716/573-9662 fax

SITE TELEPHONE NUMBERS: (603) 882-8995 EPA/START
(603) 882-7192 fax

LATEST POLREP: Polrep #8 - August 28, 1996

I. Background

The former Johns Manville facility manufactured a wide array of asbestos products for over 80 years. Following the closure of the facility in 1990, the lack of maintenance has resulted in the rapid deterioration of site buildings which contain and are constructed of asbestos. Due to the poor condition of the structures the site poses a public health threat to the local population.

For details, see the Action Memorandum - ADDENDUM, dated July 29, 1996.

II. Action (August 28 through September 13, 1996)

The OSC, New Hampshire Department of Environmental Services (NHDES), and City of Nashua developed a Task Force to address site-related issues. This effort is based on close team work and has been extremely successful. The City of Nashua is a model of involvement and advocacy for communities facing similar problems with the opportunity to work with state and federal officials to best minimize cost while removing the threat to public health and the environment.

Nashua's officials have been determined to see the buildings come down and the threat removed. The City has been proactive - condemning the site buildings, installing a



fence surrounding the site, providing space for asbestos-contaminated debris in the City landfill, providing police, fire, health department, and department of public works support, and obtaining water usage rights from the local Pennichuck Water System for dust suppression during demolition activities.

The Johns Manville Citizens Task Force, a neighborhood citizens group, is involved with the distribution of information, site activities, and providing support and a conduit of information between residents and the OSC.

NHDES has been providing on-site support with personnel, and in the actual cleanup through the removal of oil products from six underground storage tanks. Both NHDES and the New Hampshire Department of Public Health Services (NHDPHS) are providing valuable consultation and review on environmental controls and air sampling programs during demolition. NHDPHS has formatted a newsletter entitled Johns Manville Demolition Bulletin in support of and in coordination with the site Task Force Team.

Continued support through the EPA has resulted in the allocation of additional funding to continue with the controlled demolition of the condemned buildings and removal of asbestos-contaminated soil, the point sources of the public health threat.

The EPA Emergency Response Team Center (ERTC), located in Edison, New Jersey under the direction of Mr. Rodney Turpin, Safety and Air Surveillance Section Chief, has provided valuable support with the air monitoring program at the site. This expertise, in addition to the NHDPHS onsite personnel, has created a state of the art air monitoring program for the site. The Agency for Toxic Substance and Disease Registry (ATSDR) regional representative and ATSDR personnel from Atlanta, Georgia are monitoring the activities in coordination with the NHDPHS.

Work activities during the removal action are being performed by the removal program's Emergency Response Contract Services (ERCS) contractor, OHM Remediation Services Inc., who continue to progress at a rapid pace. Demolition activities on Building 10 initiated on September 4 are continuing. Approximately 82% of the building has been removed. The remaining portion is being prepared for final demolition scheduled to resume on September 24, 1996. Problems encountered to date are in the remaining south portion of the building containing four 8000 gallon impregnating vessels. One of the vessels is suspected of containing 6000 gallons of solidified "Hallowax", a suspected hazardous substance. The OSC awaits analytical results for

the Hallowax. Also adding to the delay and difficulty are four drying ovens that are built like fortification bunkers with heavy insulation and reinforced steel.

All asbestos-contaminated materials (ACM) are currently being transported to the City of Nashua landfill for disposal by Waste Management of New Hampshire.

Perimeter, area, and personal air monitoring is being conducted during all demolition activities. Air monitoring activities at the site consist of real-time aerosol monitor (RAM) stations, high volume perimeter sampling stations, and personal/area sampling stations. In addition, air monitoring is being conducted at the City of Nashua landfill.

• August 28 (Wednesday)

New Hampshire Department of Environmental Services (NHDES) representatives Dan Spear and Steve Cullinane were on-site for a meeting with the OSC to review NESHAP air regulations.

ERTC Health and Safety representative Craig Beasley was on-site and conducted a health and safety audit.

• August 29 (Thursday)

Due to observed heavy exterior surface asbestos contamination, Superfund Technical Assistance and Response Team (START) personnel collected additional background surface soil samples from the rear of Building 10 to define additional extent of contamination located below three exhaust vents that existed within the building.

Discussion at the Weekly Task Force Meeting included a review of the Air Sampling Plan, fence line action levels for asbestos and lead, status of the Demolition Work Plan and Traffic, Transportation and Disposal Plan, and a review of the demolition methodology.

• September 3 (Tuesday)

Two excavators, one 40-foot man-lift, and five rollofs were mobilized to the site.

OHM Health and Safety representative Mike Zustra was on-site and conducted a health and safety audit.

EPA representatives met with City of Nashua Landfill Superintendent David Allen to finalize the Traffic, Transportation, and Disposal Plan.

ERTC/REAC personnel (Edison, NJ) mobilized to the site to assist the NHDPHS personnel in the initial implementation of

the air monitoring activities and standard operating protocols. Subsequently, onsite personnel were instructed in the proper usage of real-time aerosol monitoring equipment (RAMs), identification of air station locations, and start up of the air monitoring program.

September 4 (Wednesday)

OHM personnel began demolition on the northern portion of Building 10. A three day test study of the dismantling technique was begun to demonstrate the controlled innovative application to be used. In addition, personal, area, and perimeter air monitoring was conducted during the demonstration to assure that the application being used was not releasing contaminants into the air. Approximately 2,000 sq.ft. (6.7%) of Building 10 was dismantled. A total of 27 air samples were collected during demolition activities conducted on this day.

NHDPHS representatives Steve Byers, Brian Phelps, and Dennis Pinski, NHDES representatives Colleen Cook and Steve Cullinane, and ATSDR representative Susanne Simon were on-site to observe the controlled innovative test dismantling activities. Following dismantling activities, Mr. Pinski, Ms. Cook, and Mr. Cullinane remained at the site to participate in the bi-weekly citizens open house.

NHDPHS Health Administration Advisor Eileen Sparling was on-site to meet with OSC Groulx concerning area demographics, to participate in the bi-weekly open house, and to discuss the proposed community newsletter being formulated as a community information source on the current demolition.

The second of the bi-weekly open house meetings was held at the site by EPA, State, and City Task Force members for area residents. In addition to the OSC and the above-mentioned individuals, Nashua Fire and Rescue Assistant Fire Chief Mike Buxton and Fire Marshall Ken Renoux participated in the bi-weekly open house. The purpose of the open house meetings is to keep area residents aware of cleanup activities being conducted at the site.

Demolition continued on September 5 (Thursday)

OHM personnel continued the demolition of the northern portion of Building 10 as well as area and perimeter air monitoring. Approximately 4,000 sq.ft. of building was dismantled. One roll-off containing ACM was shipped from the site. A total of 22 air samples were collected.

Discussion at the Weekly Task Force Meeting included the test dismantling techniques employed, the air monitoring data, the proper channel for distribution of the air monitoring data, and the status of site security. ATSDR

representative Susanne Simon was in attendance to take part in Task Force discussions, and to review the air monitoring and demolition activities with representatives from the NHDPHS.

OHM Health and Safety representative Mike Zustra and Division Manager John Gerstenlauer who were on-site to meet with the OSC and observe demolition activities.

EPA Health and Safety representative Bob Hinton conducted an unannounced health and safety audit.

September 6 (Friday)

OHM personnel continued the demolition of the northern portion of Building 10 as well as area and perimeter air monitoring. Approximately 1,300 sq.ft. of building was dismantled. Four roll-offs containing ACM were shipped off site. A total of 22 air samples were collected.

September 7 (Saturday)

OHM personnel continued the demolition of the northern portion of Building 10 as well as area and perimeter air monitoring. Approximately 7,100 sq.ft. of building was dismantled. A total of 19 air samples were collected.

Demolition activities were continued throughout the weekend so that Building 10 would not be left unattended in its partially dismantled, hazardous state.

A NESHAPS notification application was submitted to the EPA regional asbestos NESHAPS coordinator and to NHDES, the delegated NESHAPS State representative.

September 8 (Sunday)

OHM personnel completed the demolition of the northern portion of Building 10 up to the firewall. Approximately 10,000 sq.ft. of building was dismantled. To date a total of approximately 24,400 sq.ft. (82.4%) of Building 10 Sanders Street has been dismantled. Air monitoring was not conducted due to continuous rain and/or precipitation.

September 9 (Monday)

OHM personnel continued to load out material previously dismantled from Building 10 Sanders Street. Five roll-offs containing ACM were shipped off-site. Area and perimeter air monitoring was continued during debris load-out. A total of 19 air samples were collected.

A press conference was held at the site to announce that a total of \$2.55 million additional dollars had been allocated to the budget of the project. \$1.75 million of the additional dollars was received from EPA headquarters and \$800,000 came from the EPA Region I office. A group of approximately 60 individuals was in attendance. Federal representatives included Regional Administrator John DeVillars, Rudy Brown, Don Berger, Dave McIntyre, Liza Judge, and OSC Paul Groulx for U.S. EPA Region I, and Mayor Donald Davidson, Edward Lewis, Fire Marshal Ken Renoux, and Assistant Fire Chief Mike Buxton of the City of Nashua. New Hampshire Congressional delegates Charlie Bass, Bill Zeliff from the House of Representatives, Senator Robert Smith, and an Aide to Senator Judd Gregg were in attendance. In addition, NHDES Director Phillip O'Brien, and NH DHHS Health Risk Assessment Officer Todd Kennedy were on Site. Numerous members of the Johns Manville Citizen Task force were present along with other dignitaries and local citizens.

The additional funding will allow for the completion of the asbestos stabilization project. Activities at the site are anticipated to continue through the winter and be completed in the summer of 1997.

• September 10 (Tuesday)

OHM personnel continued to load out material previously dismantled from Building 10. Eight roll-offs containing ACM were shipped off-site. A total of 19 air samples were collected.

• September 11 (Wednesday)

OHM personnel continued to load out material previously dismantled from Building 10. Six roll-offs containing ACM were shipped off-site. A total of 15 air samples were collected.

A liquid petroleum gas (LPG) forklift was delivered to the site to assist the ERCS crew with load out of metal debris.

NHDES representatives Colleen Cook and Steve Cullinane arrived on site with U.S. EPA NESHAPS representative Wayne Tolland. The group met with the OSC. City of Nashua Landfill Operations Manager Ron Jenkins was on scene to discuss site activities with the OSC.

• September 12 (Thursday)

OHM personnel continued to load out material previously dismantled from Building 10. One roll-off containing ACM and three rollofs containing steel debris were shipped to

the City of Nashua landfill. A total of 15 air samples were collected.

Region I Section Chiefs David McIntyre and Steve Novick, and EPA HQ representatives Arthur Johnson and Richard Jeng arrived at the site to meet with OSC and to observe site activities.

September 13 (Friday)

OHM personnel continued to load out material previously dismantled from Building 10. No rollofs were shipped from the site but three were filled with steel debris for shipment on Monday. To date a total of 28 roll-offs have been shipped from the site. Air monitoring stations are not to be set out during precipitation events as the collection devices and pumps would not work properly. To date 227 air samples have been collected.

START personnel collected a sample of wax from the impregnating tank of building 10 for analysis.

The OSC decided to delay the demolition of the southern end of Building 10 after the discovery of additional asbestos within the steel frame and casings of the ovens. Triple steel walls with asbestos board armament encase the outer shell of three ovens. The decision was made to ensure that complete removal of friable asbestos was performed. The ERCS crew will continue to remove steel piping from Building 10 and Building 40 and minimize down time of equipment on site.

A major fire alarm sounded at an abutter property, the Maine Manufacturing Offices, and was responded to by numerous Nashua Fire and Rescue personnel and trucks. This abutting facility recently had been involved in a major fire incident.

A summary of demolition activities is as follows:

BUILDING 10			
DEMOLITION DATE	AREA REMOVED (SQUARE FEET)	VOLUME REMOVED (CU.YDS/TONS)	ROLLOFFS USED/ DEBRIS TYPE
9/4/96	2000	--	--
9/5/96	4000	27/10.8 30/9.5	1/STEEL 1/ACM
9/6/96	1300	120/33.6	4/ACM
9/7/96	7100	--	--
9/8/96	10000	--	--

9/9/96	--	150/55.7	5/ACM
9/10/96	--	240/74.0	8/ACM
9/11/96	--	180/62.3	6/ACM
9/12/96	--	30/16.3	1/ACM
	--	90/11.8	3/STEEL
9/13/96	--	--	--

-- - No shipping of waste occurred on this date.
ACM - Asbestos-Containing Material

The perimeter air monitoring stations have found no asbestos or dust at unsafe levels. The New Hampshire Department of Health and Human Services, the City of Nashua Health Department, and EPA continue to evaluate the air monitoring data on a daily basis to ensure that there is no migration of contaminants off site which may be a concern to public health. As of September 13, 1996, there have been 227 samples collected using personal, area, and perimeter air monitoring stations.

III. Financial

Jun 26/95 - Initial ERCS Purchase Request authorizing \$200,000.
Jun 27/95 - Delivery Order issued to ERCS prime contractor.
Jul 25/95 - Delivery Order amendment #1 to ERCS, obligating remaining \$300,000.
Jan 29/96 - Delivery Order amendment #2, extending order to June 27, 1996.
Aug 01/96 - Delivery Order amendment #4, increasing ceiling amount by \$650,000 from \$500,000 to \$1,150,000, and extending required completion date to December 31, 1997.

	<u>Ceiling</u>	<u>Obligated</u>	<u>Balance</u>
ERCS	\$1,150,000	\$ 580,054	\$ 569,946
START	\$ 300,000	\$ 83,500	\$ 216,500
ERT	\$ 90,000	\$ 19,000	\$ 71,000
CONTINGENCY	\$ 100,000	\$	\$ 100,000
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TOTAL	\$1,640,000	\$ 682,554	\$ 957,446

TOTAL ERCS PROJECT CEILING: \$1,150,000¹

IV. Future Plans

Contractors will continue to conduct area, personnel and perimeter air monitoring throughout the demolition and loadout activities in accordance with the ERTC/REAC Air Monitoring Plan.

Weekly Task Force meetings will continue to be held every Thursday at 10:00 am.

Bi-weekly open house public information meetings will continue to take place on site. The next open house is scheduled to take place on Wednesday, September 18, at 4:30 pm.

The Newsletter, Johns-Manville Demolition Bulletin, will be prepared and distributed by the NHDPHS on a bi-weekly schedule to coincide with the public information meetings.

ERCS prime contractor will continue with its tasks of demolition as directed by the OSC.

The Tentative Schedule is as Follows:

- Sep 24 Demolition resumes at Building 10 Sanders Street to completion.
- Sep 27 Load out of debris commence.
- Oct 07 Demolition of Building 40 Bridge Street commences.
- Oct 26 Dismantling of Baghouse systems commences.
- Work to continue pending freezing temperatures or heavy snow falls which will inadvertently shut the site activities down.

On September 24, ATSDR representatives from the regional, and Atlanta, Georgia offices, and the NHDPHS will be on site to observe EPA activities. Representatives from USEPA ERTC will also be on site to prepare a revised air monitoring plan for the Building 40 demolition. A meeting for discussion of the Air Monitoring Plan involving the EPA, ATSDR, State, and City Health officials is scheduled at 11:00 a.m.

CASE PENDING

¹See next POLREP for update of latest D.O. ceiling.

POLREP DISTRIBUTION LIST

Polrep #8

August 28, 1996

Johns Manville Manufacturing Plant Site
40 Bridge Street, Nashua, NH

- ☒ M_x National Response Center (G-TGC-2), Headquarters USCG,
Room 2611, 2100 2nd St., S.W., Washington, DC 20593
- ☒ M_x US EPA, Arthur Johnson, Emergency Response Division (5202G)
401 M St., S.W., Washington, DC 20460
- ☒ M_x Philip O'Brien, NH Dept. of Environmental Services
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ☒ M_x Daniell R. Spear, NH Dept. of Environmental Services
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ☒ M_x Edward Lewis, Executive Assistant to the Mayor
City Hall, 229 Main Street, Nashua, NH 03061-2019
- ☒ M_x Michael P. Buxton, Assistant Fire Chief,
Nashua Fire Department, Administrative Office,
2 Conant Road, Nashua, NH 03062-1899
- ☒ M_x Bonnie St. Pierre, President, Citizen Task Force
11 "C" Street, Nashua, NH 03060
- ☒ M_x Joseph A. O'Murphy, Owner
30 Spring Court, Woburn, MA 01801

EPA, Boston

- ☒ L_x John P. DeVillars, Regional Administrator, RA
- ☒ L_x Pat Meaney, Acting Deputy Regional Administrator, DRA
- ☒ L_x Steve Perkins, Planning & Management Division, PAA
- ☒ L_x Nancy Grantham, Office of Regional Administrator, RAA
- ☒ L_x Liza Judge, Superfund Community Relations, RPS
- ☒ L_x Johanna Hunter, Superfund Community Relations, RPS
- ☒ L_x Rudy Brown, Gov't Relations, RGR
- ☒ L_x Linda Murphy, Director, Waste Management Div. HAA-CAN2
- ☒ L_x Frank Ciavattieri, Deputy, Div. Dir, Waste Management Div.
- ☒ P_x John Gauthier, Office of Criminal Investigations CID
- ☒ P_x Thomas Papineau, Investigations Office, OIG/I
- ☒ P_x Paul McKechnie, Investigations Office, OIG/A
- ☒ L_x Joel Blumstein, OES - SES
- ☒ L_x Designated ORC Attorney - Kathleen Woodward, Esq.
- ☒ L_x Linda Byrne - PCC
- ☒ L_x Hillary Kelley - PCC

Regional Response Team

- ☐ P_x NOAA, ~~Ken Finkelstein~~, NOAA, HSL-CAN3
- ☒ M_x DOI, Andrew Raddant, Acting Regional Environmental Officer,
408 Atlantic Avenue, Room 142, Boston, MA 02110-3334

EPA, OSRR

- ☒ L_x Berger
- ☐ B_x Enforcement Files
- ☒ L_x O'Halloran
- ☒ L_x Verdone
- ☐ B_x Office File (Vivian Coughlin/w copy of Distribution List)
- ☐ B_x OSC Groulx (w/original Copy of Distribution List)
- ☒ L_x Carlson
- ☒ L_x McIntyre
- ☒ L_x Parr, Dorrie
- ☒ L_x Gagne, Caroline

MARCHANT ✓

M NOAA - served wheaton G-MOR - C/O USCB
Commandant
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